

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) An anti-buckling device for insertion into a thin-walled fluid duct, comprising ducts, wherein:

- ~~in its longitudinal direction it has several~~ a plurality of ribs in a longitudinal direction of the anti-buckling device, wherein a ~~whereby the space between two adjacent ribs forms a groove~~ grooves;
- ~~the wherein a~~ cross-section of the anti-buckling device fills a ~~the~~ cross-section of the ~~a~~ duct in such a way that the duct walls lie on the plurality of ribs at a buckling point but cannot penetrate into the grooves causing;
- ~~the~~ grooves to remain open and permeable for fluids when the anti-buckling device is bent;
- ~~wherein the fluids can~~ circulate through the grooves of the anti-buckling device and, if necessary, transmit pressure forces; and
wherein an envelope of the anti-buckling device in at least a portion of a length of the anti-buckling device corresponds essentially to the cross-section of the duct at the buckling point.

2. (CURRENTLY AMENDED) The anti-buckling device ~~for thin-walled fluid ducts~~ according to claim 1, wherein the plurality of ribs in the ~~their~~ longitudinal direction the ribs are interrupted, and wherein ~~thereby~~ the grooves are connected to each other by way of transverse connections.

3. (CURRENTLY AMENDED) The anti-buckling device ~~for thin-walled fluid ducts~~ according to claim 2, wherein the plurality of interrupted ribs are formed as knobs, and wherein the grooves with the transverse connections form an intermediate space.

4. (CURRENTLY AMENDED) The anti-buckling device for thin-walled fluid ducts according to claim 1, wherein the anti-buckling device ~~it~~ is formed in such a way that at least one plastic pipe can be inserted in the anti-buckling device ~~it~~.

5. (CURRENTLY AMENDED) The anti-buckling device ~~for thin-walled fluid ducts~~ according to claim 4, wherein the at least one plastic pipe is reinforced.

6. (CANCELED)
7. (CURRENTLY AMENDED) The anti-buckling device ~~for thin-walled fluid ducts~~ according to claim 1, wherein the envelope is essentially lenticular.
8. (CURRENTLY AMENDED) The anti-buckling device ~~for thin-walled fluid ducts~~ according to claim 1, wherein the envelope essentially corresponds to the cross-section of the duct along an ~~the~~ entire length of the anti-buckling device.
9. (CURRENTLY AMENDED) The anti-buckling device ~~for thin-walled fluid ducts~~ according to claim 8, wherein the envelope is essentially lenticular in the middle of the anti-buckling device and becomes continuously more circular in both directions.
10. (CANCELED)
11. (CURRENTLY AMENDED) The anti-buckling device ~~for thin-walled fluid ducts~~ according to claim 1, wherein the thin-walled fluid duct is a hose and the anti-buckling device is deformable and is adapted to ~~can~~ adjust itself to deformations in a ~~the~~ cross-section of the hose.
12. (CURRENTLY AMENDED) The anti-buckling device ~~for thin-walled fluid ducts~~ according to claim 1, wherein the thin-walled fluid duct is a core worked into a woven material and the anti-buckling device is deformable and is adapted to ~~can~~ adjust itself to changes in a ~~the~~ cross-section of the core induced by a pressure p .
13. (CURRENTLY AMENDED) The anti-buckling device ~~for thin-walled fluid ducts~~ according to claim 1, wherein the anti-buckling device ~~it~~ consists of an elastic material.
14. (CURRENTLY AMENDED) The anti-buckling device ~~for thin-walled fluid ducts~~ according to claim 1, wherein the anti-buckling device ~~it~~ consists of an elastomer.

15. (CURRENTLY AMENDED) The anti-buckling device for thin-walled fluid ducts according to claim 13, wherein the elastic material has a hardness of between 30 ~~20~~ and 80 Shore.

16. (CURRENTLY AMENDED) The anti-buckling device ~~for thin-walled fluid ducts~~ according to claim 15, wherein the elastic material has a hardness of between 30 ~~20~~ and 60 Shore.

17. (CURRENTLY AMENDED) The anti-buckling device ~~for thin-walled fluid ducts~~ according to claim 1, wherein the plurality of ribs are applied to an ~~the~~ inside of a duct wall 9.

18. (CURRENTLY AMENDED) The anti-buckling device ~~for thin-walled fluid ducts~~ according to claim 3, wherein the knobs are applied to an ~~the~~ inside of the ~~a~~ duct wall 9.

19. (New) The anti-buckling device according to claim 1, wherein a width of the anti-buckling device is smaller than a corresponding part of the cross-section of the duct at the buckling point and corresponds approximately to a width of the duct remote from the buckling point.